

THE COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF AGRICULTURE

DIVISION OF LIVESTOCK DISEASE CONTROL

REPORT

JULY 1, 1946 - JUNE 30, 1947

REPORT OF THE DIVISION OF LIVESTOCK DISEASE CONTROL

JULY 1, 1946 - JUNE 30, 1947

To the Commissioner of Agriculture:

The report of the Division of Livestock Disease Control for the fiscal year July 1, 1946 to June 30, 1947, inclusive, is herewith submitted.

On August 28, 1946, Mr. William Casey of Charlton Depot, Massachusetts, was appointed as Director of this Division. Mr. Casey has devoted a great part of his life to the interests of the farmers of the State and has been very active in Milk Control work.

On January 6, 1947, Dr. Frank G. Maguire was retired as Veterinary Health Officer. He had been with this Division since May 1, 1931 and had been in charge of the work of the Division in Hampshire County.

The Legislature, in 1947, enacted no laws relative to the work of this Division. However, during the year, two Orders, Nos. 47 and 48, were approved by the Governor and Council. Order No. 47, drawn up because of the prevalence of rabies throughout the country, requires that all dogs being transported into Massachusetts must be accompanied by a health certificate signed by a licensed veterinarian and approved by the Livestock Sanitary Official of the State of origin. It also provides that if the animal has been exposed to rabies it must be vaccinated against the disease. Order No. 48 applies to the importation of cattle into Massachusetts and requires that all cattle must originate either in a tuberculosis-free accredited herd or in a modified accredited area and must have been tuberculin tested within one year and that all females must have passed a negative blood test for Bang's disease within thirty days of importation.

On October 3, 1946, the Division was notified by the United States Government that approximately 5,000 pounds of Argentine beef had been removed from a ship tied up in Boston due to a labor strike and had been transferred to premises on South Market Street, Boston, at which premises the beef had been trimmed and packaged. The control of this meat was taken over and it was transferred to the premises of the Quincy Cold Storage and Warehouse Company where it was placed in a small locker, segregated from all other products and the locker padlocked with a United States Government lock. The locker and products were placed under State quarantine by this Division. The premises and equipment on South Market Street exposed to this meat were thoroughly disinfected under the supervision of an Agent of this Division.

The meat remained in quarantine until October 30, 1946, when it was again transferred to the ship from which it was taken.

After a lapse of five years, the Annual Barn Inspection was resumed by the Inspectors of Animals under the direction of this Division. This inspection had been omitted during the war years because of the gasoline and tire shortage. Prior to the inspection meetings were held in the different parts of the State to instruct the Inspectors of Animals relative to their duties.

The following tables and data show in detail the activities of the Division for the period of this report, July 1, 1946 to June 30, 1947, inclusive.

BOVINE TUBERCULOSIS

(Chapter 219, Section 33, General Laws, Tercentenary Edition,
as amended by Chapter 272, Acts of 1934)
and Chapter 417, Acts of 1946)

There were fourteen thousand eight hundred ninety-nine (14,899) herd tuberculin tests, one hundred ninety-four thousand eight hundred fifty-three (194,853) animal tests applied to which five hundred five (505) head of cattle, or 26/100 of 1%, were declared reactors as compared with fourteen thousand nine hundred ninety-four (14,994) herd tests; two hundred ten thousand three hundred thirty-two (210,332) animal tests and four hundred nine (409), or 19/100 of 1% reactors, in the corresponding period, July 1, 1945 to June 30, 1946.

Two hundred forty (240), or 47½%, of the five hundred five (505) cattle declared to be reactors were reported as having "no visible lesions" of tuberculosis at time of slaughter.

Two thousand four hundred thirty (2,430) herds containing eleven thousand one hundred ten (11,110) head of cattle, included in the census report of June 30, 1946, were disposed of by owners prior to the census for the period ending June 30, 1947.

Nine hundred sixty-three (963) herds in which testing had not previously been conducted and containing five thousand ninety-three (5,093) head of cattle, recorded in the following tables as "first tests", are included in the census report for the period ending June 30, 1947.

Tuberculin tests are conducted by State approved Federal accredited veterinarians under a State and Federal Co-operative Plan for the establishment of tuberculosis-free accredited herds and the eradication of bovine tuberculosis.

Following is a summary of tuberculin tests as made by veterinarians for the twelve month period of this report:

	<u>Herds</u>	<u>Head</u>	<u>Reactors</u>
Veterinarians paid by the State on a salary basis	3,694	44,489	69
Veterinarians paid by the State on a per diem basis	8,178	101,680	274
Veterinarians authorized by request of and paid by the owners	85	2,785	6
Veterinarians paid by the Federal Government	2,942	45,899	156
	<u>14,899</u>	<u>194,853</u>	<u>505</u>

TUBERCULIN TESTING BY COUNTIES

	FIRST TESTS												RETESTS												TOTALS				
	CLEAN				WITH REACTORS								CLEAN				WITH REACTORS												
	Hrds	Pb	Gd	Total	Hrds	Pb	Gd	Total	Pb	Gd	R	Hrds	Pb	Gd	Total	Hrds	Pb	Gd	Total	Pb	Gd	R	Hrds	Pb	Gd	Total	R		
1946-1947																													
Barnstable	31	4	52	56								244	85	1007	1092								275	89	1059	1148			
Berkshire	81	19	680	699	2		33	33			2	2	1134	2597	16693	19290	3		44	44		3	3	1220	2616	17450	20066	5	
Bristol	80	8	322	330	3	3	47	50			4	4	1416	1553	16203	17756	27	171	901	1072	1	58	59	1526	1735	17473	19208	63	
Dukes	27	2	129	131								83	12	501	513								110	14	630	644			
Essex	54	96	221	317								916	2779	9827	12606	33	51	1387	1438	5	57	62	1003	2936	11435	14361	62		
Franklin	88	15	414	429								1497	1648	19114	20762	23	73	1029	1102	9	52	61	1608	1736	20557	22293	61		
Hampden	110	12	511	523								1139	1521	9396	10917	5	4	80	84	1	7	8	1254	1537	9987	11524	8		
Hampshire	67	33	288	321	1		5	5			1	1	1068	2127	11901	14028	12	36	320	356	6	27	33	1148	2196	12514	14710	34	
Middlesex	95	43	343	386								1550	2191	15701	17892	18		774	774		28	28	1663	2234	16818	19052	28		
Nantucket	1		1	1								22		110	110	1	11	45	56		1	1	24	11	156	167	1		
Norfolk	36	67	129	196	1	4	32	36			2	2	566	1381	7146	8527	21	176	1498	1674	4	44	48	624	1628	2805	10433	50	
Plymouth	66	39	204	243	1	2	9	11			1	1	266	1315	2718	10033	25	54	980	1034	4	43	47	958	1450	9911	11321	48	
Suffolk												6	99	9	108								6	99	9	108			
Worcester	218	103	1186	1289	1		37	37			1	1	3196	4640	41662	46302	65	331	1859	2190	10	134	144	3480	5074	44744	49818	145	
	954	441	4480	4921	9	9	163	172				13703	21948	157998	179936	233	907	8917	9824				14899	23305	171548	194853			
											11	11											40	454	494		50		

TUBERCULIN TESTING BY MONTHS

	FIRST TESTS												RETESTS												TOTALS				
	CLEAN				WITH REACTORS								CLEAN				WITH REACTORS												
	Hrds	Pb	Gd	Total	Hrds	Pb	Gd	Tot	Pb	Gd	R	Hrds	Pb	Gd	Total	Hrds	Pb	Gd	Tot	Pb	Gd	R	Hrds	Pb	Gd	Total	R		
1946-1947																													
July	54	4	125	129								627	319	6668	6987	10	150	774	924	4	24	28	691	473	7567	8040	28		
August	41	10	132	142								435	404	4679	5083	6	30	289	319		9	9	482	444	5100	5544	9		
September	42	4	211	215								507	422	5379	5801	12		785	785		31	31	561	426	6375	6801	31		
October	97	35	443	478								1055	757	9990	10747	13	2	449	451	1	21	22	1165	794	10882	11676	22		
November	62	52	308	360	1		18	18			1	1	1209	2024	14604	16628	13	83	450	533	1	23	24	1285	2159	15380	17539	25	
December	89	38	489	527								1297	2355	16326	18681	35	133	1592	1735	6	74	80	1421	2526	18407	20933	80		
January	98	12	480	492	2		33	33			2	2	1415	2795	17756	20551	25	40	762	802	7	48	55	1540	2847	19031	21878	57	
February	73	61	346	407								1551	3206	18678	21884	27	16	685	661		29	29	1651	3283	19669	22952	29		
March	104	54	543	597	3	7	44	51			4	4	1672	2353	20719	23072	31	36	1001	1037	2	61	63	1810	2450	22307	24757	67	
April	117	78	549	627	1		22	22			2	2	1674	3985	20262	24247	29	198	1152	1350	11	65	76	1821	4261	21985	26246	78	
May	99	7	520	527	1		37	37			1	1	1305	2330	14880	17210	22	104	760	864	6	51	57	1428	2441	16197	18638	58	
June	78	86	334	420	1	2	9	11			1	1	955	998	8047	9045	10	115	258	373	2	18	20	1044	1201	8648	9849	21	
	954	441	4480	4921	2	9	163	172				13702	21948	157988	179936	233	907	8917	9824	40	454	494	14899	23305	171548	194853	50		

COUNTY CENSUS AND INFECTION

(June 30, 1947)

County	Herds	Head	Infection			Herds of Three Head or Less	
			Herds	Head	Reactors	Herds	Head
Barnstable	286	1,155				231	353
Berkshire	1,586	23,494				669	1,246
Bristol	1,724	19,301	5	127	7	893	1,501
Dukes	112	649				69	127
Essex	1,030	13,703	12	898	29	460	791
Franklin	1,602	20,169	8	346	37	640	1,213
Hampden	1,432	12,472	1	13	1	775	1,364
Hampshire	1,576	18,499	5	119	8	707	1,249
Middlesex	1,730	18,817	10	275	14	872	1,559
Nantucket	24	167	1	56	1	13	25
Norfolk	775	9,268	11	579	23	416	753
Plymouth	1,008	10,240	5	101	15	616	1,084
Suffolk	7	110				4	8
Worcester	3,596	46,679	31	993	55	1,558	2,860
Total	16,488	194,723	89	3,507	190	7,923	14,133

APPRAISALS

	PUREBREDS			GRADES			TOTAL		
	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE
July '46	4	\$1,185.00	\$296.25	24	\$5,420.00	\$225.83	28	\$6,605.00	\$235.89
August				9	1,980.00	220.00	9	1,980.00	220.00
September				31	7,325.00	236.29	31	7,325.00	236.29
October	1	300.00	300.00	21	4,925.00	234.52	22	5,225.00	237.50
November	1	250.00	250.00	24	5,210.00	217.08	25	5,460.00	218.40
December	6	2,625.00	437.50	74	14,580.00	197.02	80	17,205.00	215.06
January '47	7	2,417.00	345.28	50	11,620.00	232.40	57	14,037.00	246.26
February				29	5,775.00	199.14	29	5,775.00	199.14
March	3	725.00	341.67	64	13,377.50	209.02	67	14,102.50	210.48
April	11	3,015.00	274.09	67	15,441.00	230.46	78	18,456.00	236.61
May	6	1,400.00	233.33	52	11,180.00	215.00	58	12,580.00	216.89
June	2	710.00	355.00	19	5,010.00	263.68	21	5,720.00	272.38
	41	12,627.00	307.97	464	101,843.00	219.48	505	114,470.00	226.67

SALVAGE

	PUREBREDS			GRADES			TOTAL		
	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE
July '46	4	468.13	117.03	24	2,068.27	86.18	28	2,536.40	90.59
August				9	749.47	83.27	9	749.47	83.27
September				28	2,209.14	78.90	28	2,209.14	78.90
October	1	90.00	90.00	21	1,971.50	93.88	22	2,061.50	93.70
November	1	92.60	92.60	24	1,923.76	80.16	25	2,016.36	80.65
December	6	760.82	126.80	62	5,283.21	85.21	68	6,044.03	88.88
January '47	7	538.01	76.85	50	3,919.27	78.39	57	4,457.28	78.20
February				29	2,437.96	84.07	29	2,437.96	84.07
March	3	304.60	101.53	64	5,834.36	91.16	67	6,138.90	91.62
April	11	784.80	71.35	67	6,993.61	104.37	78	7,778.41	99.72
May	6	639.41	106.57	52	5,251.05	100.98	58	5,890.46	101.56
June	2	242.25	121.12	19	2,019.69	106.30	21	2,261.94	107.71
	41	3,920.62	95.62	449	40,661.29	90.56	490	44,581.85	90.98

INDEMNITY

	PUREBREDS			GRADES			TOTAL		
	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE
July '46	4	296.25	74.06	22	1,085.27	49.33	26	1,381.52	53.13
August				9	448.88	49.87	9	448.88	49.87
September				27	2,449.24	90.71	27	2,449.24	90.71
October	1	125.00	125.00	21	1,839.56	87.59	22	1,964.56	89.29
November	1	104.93	104.93	22	1,884.72	85.66	23	1,989.65	86.50
December	6	822.54	137.09	56	4,364.75	77.94	62	5,187.29	83.66
January '47	6	725.00	120.82	47	4,114.43	87.54	53	4,839.43	91.31
February				23	1,659.17	72.13	23	1,659.17	72.13
March	3	280.27	93.42	61	4,440.10	72.78	64	4,720.37	73.75
April	7	823.52	117.64	53	4,057.91	76.56	60	4,881.43	81.35
May	1	63.90	63.90	17	1,337.94	78.70	18	1,401.84	77.88
June		-	-		-	-		-	-
	29	3,241.14	111.77	358	27,681.97	77.32	387	30,923.38	79.90

TUBERCULIN TESTING OF GOATS

On written request from owners, this Division arranges for the testing of goats for Tuberculosis and Brucellosis. Under this service owners must agree that any goats declared as reactors to either test will be immediately disposed of for slaughter with no compensation allowed by the Commonwealth.

For the fiscal year of 1947, ninety-seven (97) goats were tuberculin tested and blood tested for eleven (11) owners. All goats were found free of Tuberculosis and Brucellosis.

INTERSTATE RECEIPTS OF CATTLE

Three thousand one hundred sixty (3,160) permits were issued covering twenty-seven thousand ninety-five (27,095) head of dairy and breeding cattle.

Three thousand two hundred sixty-five (3,265) dairy cattle were received at the Brighton Quarantine Station, making a total of thirty thousand three hundred sixty (30,360) dairy and breeding cattle received.

	DAIRY CATTLE		BEEF CATTLE
	On Permit	At Brighton	On Permit
California	1		
Canada	10,885	57	
Colorado	38		
Connecticut	1,236		37
Delaware	1		
Florida	3		
Georgia	2		
Illinois	76		6,510
Indiana			445
Iowa	172		91
Maine	633	2,714	
Maryland	5		
Michigan	10		20
Minnesota	1,529	6	887
Mississippi	23		
Missouri			1,081
Nebraska			1,074
New Hampshire	1,184	281	115
New Jersey	25		
New York	570		167
North Dakota	179		204
Ohio	195		14
Oklahoma	30		
Oregon	3		
Pennsylvania	74		
Rhode Island	413		725
South Dakota			25
Texas	84		
Vermont	8,412	166	64
Virginia	1		
West Virginia	2		
Wisconsin	1,309	41	
	27,095	3,265	11,459

QUARANTINE STATION AT BRIGHTON

Dairy Cattle:

	Total Receipts	Released on Papers	Released after Test	Permit to Kill	Returned to Owner
Canada	57	57	85	3	9
Maine	2,726	2,629	85	3	9
Minnesota	6	6			
New Hampshire	281	279	2		
Vermont	167	146	20		1
Wisconsin	41	41			
Total	3,278	3,158	107	3	10
Massachusetts	667	651	2	1	13
	3,945	3,809	109	4	23

Of the three thousand nine hundred eighteen (3,918) cattle received interstate and released three thousand one hundred seven (3,107) remained in Massachusetts, seven hundred ninety-one (791) were reshipped to Rhode Island, eighteen (18) to Connecticut, and two (2) to New Hampshire.

Diseased cattle received and released for immediate slaughter:

	T.B. Reactors	From Quarantined Herds	Bang's Disease: Reactors	Suspects	Check Test
Massachusetts	405	296			
Maine			175	2	1
New Hampshire	5		609	10	
Rhode Island	17	13	6		
Vermont		7			
Total	427	316	790	12	1

Dairy cattle and feeder cattle are restricted to the sales barns and yards and do not come in contact with the slaughter cattle.

The dairy barn and trucks conveying reactor or diseased cattle are regularly cleansed and disinfected.

Two hundred seventy-three (273) head of cattle were vaccinated for prevention of shipping fever, for which a total of forty dollars and ninety-five cents (\$40.95) was collected. This service is furnished to owners without cost other than fifteen cents (\$.15) per animal to cover the cost of the biologic used.

Total number of livestock received at this station was as follows:

Cattle	-	49,411	Sheep	-	4,352
Calves	-	83,231	Swine	-	42,478

EXPORTS

Interstate certificates of health were issued on four thousand four hundred nineteen (4,419) head of cattle exported to other States and Countries as follows:

<u>Destination</u>	<u>Head</u>	<u>Destination</u>	<u>Head</u>
California	3	New Hampshire	400
Canada	10	New Jersey	64
Central America	1	New Mexico	1
Connecticut	1,171	New York	655
Costa Rica	26	North Dakota	2
Florida	1	Ohio	35
Illinois	26	Oklahoma	11
Indiana	35	Pennsylvania	68
Iowa	9	Rhode Island	1,321
Kansas	3	South America	2
Kentucky	1	South Carolina	3
Maine	134	South Dakota	1
Maryland	25	Tennessee	1
Minnesota	3	Vermont	333
Mississippi	1	Virginia	34
Missouri	2	West Virginia	2
		Wisconsin	35
			<hr/> 4,419

BRUCELLOSIS

Vials for use in collecting blood samples and laboratory examination of said samples are furnished without expense to owners of cattle.

The Division does not assign veterinarians for the drawing of blood samples except under special agreement with owners of cattle from which persons reported as affected with undulant fever have obtained their milk supply.

The following tabulation is a record of results of examination of blood samples submitted to the laboratory from cattle intended for interstate shipment for maintenance of the status of Accredited Bang's Disease-Free herds, and from cattle in herds in the process of accreditation.

	Negative	Positive	Doubtful	Unsatisfactory**	Total
Cattle	21,500	1,702*	1,938*	546	25,686
Goats	204			5	209
Horses	3				3
Swine	3				3
	21,710	1,702	1,938	551	25,901

* Includes bloods from vaccinated animals.

** Containers broken, insufficient amount of blood, or hemolyzed.

Accredited Herds: (June 30, 1947)

Accredited Bang's Disease-Free Herds	38
Accredited Bang's Disease-Free Vaccinated Herds	51
Cattle in Accredited Bang's Disease-Free Herds	1,457
Cattle in Accredited Bang's Disease-Free Vaccinated Herds	2,215

CALFHOOD VACCINATION
(for prevention of Brucellosis)

The vaccination of young stock between the age of four months and time of first breeding (usually 18 to 20 months) under a State and Federal co-operative plan at time of the periodic tuberculin test is provided without expense to owners for such service and vaccine.

CALFHOOD VACCINATION

(by months)

	SALARIED AGENTS		PER DIEM AGENTS		FEDERAL AGENTS		TOTAL	
	Herds	Head	Herds	Head	Herds	Head	Herds	Head
July '46	36	65	10	24	27	53	73	142
August	13	27	11	26	10	23	34	76
September	10	23	23	47	45	94	78	164
October	67	205	51	149	57	175	175	529
November	91	250	100	346	91	276	282	872
December	121	387	100	333	94	310	315	1030
January '47	80	280	124	385	74	323	278	988
February	104	302	143	593	81	271	328	1166
March	102	295	169	610	95	331	366	1236
April	104	356	146	514	152	400	402	1270
May	45	218	118	429	81	259	244	906
June	41	114	51	131	80	185	172	430
Totals	814	2522	1046	3587	887	2700	2747	8809

CALFHOOD VACCINATION

(by counties)

Vaccination at time of the tuberculin test under the State and Federal Co-operative Plan was conducted as follows:

County	Herds	Head
Barnstable	3	11
Berkshire	174	969
Bristol	208	498
Dukes	19	57
Essex	150	520
Franklin	443	1,514
Hampden	396	1,030
Hampshire	203	790
Middlesex	217	671
Nantucket	2	3
Norfolk	109	271
Plymouth	75	209
Suffolk	2	2
Worcester	755	2,352
	2,756	8,897

LICENSED DEALERS IN BOVINE ANIMALS

Under the provisions of Chapter 607, Acts of 1941, there were four hundred sixty-three (463) licenses issued to dealers for the sale of dairy and beef cattle, and five hundred eighty-two (582) cattle dealer license plates were issued for use on the trucks operated by these dealers.

A total of twenty-five thousand nine hundred five (25,905) dairy cattle and two thousand four hundred forty-three (2,443) beef cattle were reported by licensed dealers as purchased and sold.

RABIES

In October, 1946, the first case of rabies occurred in Massachusetts since 1943. The rabid animal was brought into this State on a truck from Long Island, New York. It immediately bit a person, was quarantined, and died within two days. Laboratory examination proved positive for rabies. It was necessary to administer anti-rabic treatment to the person bitten.

Under Massachusetts Department of Public Health regulations (Chapter III, General Laws as amended by Chapter 265, Acts of 1938, Sections 6 and 7) "dog bite" is declared a disease dangerous to public health.

Under Division of Livestock Disease Control regulations, Order No. 34, Section 3: "All dogs known to have bitten persons shall be quarantined for a period of fourteen (14) days for observation, at the end of which period if no symptoms of rabies have developed said animals may be released from quarantine on order of the Director."

Investigation of reported injuries inflicted to persons by biting of dogs and the quarantining of such dogs is one of the duties of the Inspector of Animals.

The following tabulation includes injuries reported inflicted by dogs and other animals:

RABIES

	SHOWING SYMPTOMS			CONTACTS				BITE CASES			TOTAL	
	Positive	Negative	Question-able	Released	Killed or Died - No Symptoms	Killed or Died - Positive	Pending	Released	Killed - No Examination	Killed - Negative	Pending	
Brought Forward								694	3			
July '46								989	1	15		
August								915	1	22		
September								794	1	16		
October	1							778	1	20		
November								443	1	6		
December								455		14		
January '47								388		17		
February								489		11		
March								666		11		
April								899		16		
May								1210	4	25		
June								347	2	16		
Forward											910	
	1							9067	14	189	910	10,181

Animals Involved

Dogs	1							9009	14	150	906	10,080
Cats								48		28	3	79
Horses								2				2
Rabbits								2				2
Monkeys								5			1	6
Squirrels										5		5
Rats										2		2
Marmoset										1		1
Coyote								1				1
Mice										1		1
Skunks										1		1
Foxes										1		1
	1							9067	14	189	910	10,181

The heads of one hundred fifty-one (151) dogs, twenty-eight (28) cats, five (5) squirrels, two (2) rats, one (1) marmoset, one (1) mouse, one (1) skunk, and one (1) fox were received at the laboratory for examination, of which one hundred eighty-nine (189) were reported negative and one (1) positive.

Nine thousand three hundred six (9,306) persons were reported as bitten or scratched by animals, of which four hundred and forty-two (442) persons were bitten by stray dogs.

MISCELLANEOUS DISEASES

Actinomycosis: (Cattle) Two (2) cows in Worcester County were reported affected. These animals are still in quarantine and under treatment.

Anthrax: Four (4) sheep in Berkshire County were reported to have died from this disease. However, laboratory report on examination of specimens from one of the sheep was negative for anthrax. It was advised to treat the remaining sheep with anthrax serum as soon as possible.

Blackleg: There were no cases of blackleg reported. Preventive vaccination treatment was given upon request of owners to young cattle in the so-called blackleg areas without expense to the owner. Treatment was applied to one thousand eight hundred forty-four (1,844) head of cattle in one hundred sixty-seven (167) herds as follows: Berkshire County, sixty-four (64) herds, eight hundred fifty-six (856) head; Franklin County, twenty-seven (27) herds, two hundred forty-eight (248) head; Hampden County, twelve (12) herds, one hundred fourteen (114) head; Hampshire County, thirty-nine herds, three hundred twenty-nine (329) head; Middlesex County, seven (7) herds, thirty-six (36) head, and Worcester County, eighteen (18) herds, two hundred sixty-one (261) head.

Mange: Fifteen (15) herds were reported as affected with the disease: five (5) in Franklin County, four (4) in Middlesex County, and six (6) in Worcester County.

Hemorrhagic Septicemia: One (1) herd of twenty (20) head in Hampshire County was given preventive treatment for the disease.

Encephalomyelitis: Three (3) horses in Bristol County, one (1) in Hampshire County, and one (1) in Plymouth County were reported as dead from Encephalomyelitis. All cases were questionable and no laboratory specimens were available for confirmatory diagnosis.

Hog Cholera: This disease was reported on three (3) premises in Worcester County and treatment was recommended.

Poultry Diseases:

Avian Tuberculosis: The tuberculin test was applied to a flock of two hundred seventy-five (275) hens in Hampshire County: ninety-two (92) birds found to be reactors to the test were destroyed on recommendation of this Division and the remaining birds were slaughtered.

Newcastle Disease: This disease is still prevalent in Massachusetts and from examination of specimens sent to the Department of Veterinary Science, University of Massachusetts, the disease has been found fairly widespread throughout the State. Until more definite information is received, we are following the practice established in the past of recommending strict sanitary measures and the education of all those in the poultry industry as to symptoms, means of spreading infection, and instructions on disinfection of premises, crates, trucks and all materials that might carry the disease.

Psittacosis: After thorough study and testing of the birds in the quarantined aviary in Norfolk County, reported in our last annual report, the aviary was released from quarantine. No further outbreaks have been reported.

ANNUAL INSPECTION OF NEAT CATTLE, SHEEP AND SWINE

In accordance with Section 19, Chapter 129 of the General Laws, the annual inspection of neat cattle, sheep and swine, and of the premises where kept was ordered on December 12, 1946 to be completed on or before January 27, 1947.

From reports received from the 355 cities and towns in the Commonwealth, there were 193,870 head of cattle on the premises inspected, 7,231 sheep, 78,274 head of swine, and 3,897 goats. Of the total number of cattle reported 138,672 were listed as dairy cows, 45,813 young stock, 7,714 bulls, and 1,671 oxen.

Regional meetings of Inspectors of Animals were held in the month of November at Boston, Greenfield, Pittsfield, Segreganset, West Springfield, and Worcester for the purpose of giving information and instruction relative to the duties of the Inspectors of Animals.

Respectfully submitted,

William Casey
William Casey,
Director

